

Developing apps and accessories for the home

Let people communicate with and control connected accessories in their home using your app. With the HomeKit framework, you can provide ways to configure accessories and create actions to control them. Users can even group actions together and trigger them using Siri.



Developing with HomeKit

per.apple.com/apple-home/

1/3

Whether you're an app developer, smart home enthusiast, or manufacturer, you can learn how to use HomeKit to create apps and accessories for the home.

Apps

Learn how iOS, iPadOS, tvOS, and watchOS apps seamlessly integrate with HomeKit accessories.

[HomeKit framework](#)

[Human Interface Guidelines](#)

[HomeKit Videos](#)

[HomeKit forums](#)

Accessories

Learn and explore how to create accessories for your home using the HomeKit Accessory Protocol.

[HomeKit Open Source ADK](#)

To prototype noncommercial accessories

[HomeKit Accessory Protocol Specification](#)

Noncommercial version*

[HomeKit Accessory FAQs](#)

Works with Apple Home badge

The Works with Apple Home badge can be used to visually communicate that your accessory is compatible with the Apple Home app and Siri on Apple devices.



HomeKit

If you plan to develop or manufacture a HomeKit accessory that will be distributed or sold, your company will need to enroll in the MFi Program.

MFi licensees get access to:

- HomeKit Accessory Protocol Specification (commercial version).
- Third-party SDKs for commercial development.
- Works with Apple Home certification and tools.
- Logo artwork and identity guidelines.

[Learn about the MFi Program >](#)

Matter

For Matter-certified accessories, requirements to use the badge will be available soon, along with downloadable artwork files and identity guidelines for packaging and marketing communications.



Get your apps ready for Matter

With the iOS 15 SDK or later, you can test your smart home apps with [Matter](#), the unifying open connectivity standard designed to increase the compatibility of smart home accessories so they work seamlessly with your devices. Existing HomeKit APIs automatically work with Matter-enabled accessories, so you don't need to make any changes to your iOS or iPadOS apps that support HomeKit. Find out more about Matter standard and open source implementation on [GitHub](#).

[Learn how to test with Apple devices ↗](#)

[Watch "Add support for Matter in your smart home app" ▶](#)

* Sign in with your Apple ID to access the HomeKit Accessory Protocol Specification (noncommercial version). If you don't have an Apple ID, create one for free.

Developer Apple Home

Platforms

- iOS
- iPadOS
- macOS
- tvOS
- watchOS

Tools

- Swift
- SwiftUI
- Swift Playgrounds
- TestFlight
- Xcode
- Xcode Cloud
- SF Symbols

Topics & Technologies

- Accessibility
- Accessories
- App Extensions
- App Store
- Audio & Video
- Augmented Reality
- Business
- Design
- Distribution
- Education
- Fonts
- Games
- Health & Fitness
- In-App Purchase
- Localization
- Maps & Location
- Machine Learning
- Security
- Safari & Web

Resources

- Documentation
- Curriculum
- Downloads
- Forums
- Videos

Support

- Support Articles
- Contact Us
- Bug Reporting
- System Status

Account

- Apple Developer
- App Store Connect
- Certificates, IDs, & Profiles
- Feedback Assistant

Programs

- Apple Developer Program
- Apple Developer Enterprise Program
- App Store Small Business Program
- MFi Program
- News Partner Program
- Video Partner Program
- Security Bounty Program
- Security Research Device Program

Events

- Events Overview
- App Accelerators
- App Store Awards
- Apple Design Awards
- Apple Developer Academies
- Entrepreneur Camp
- Tech Talks
- WWDC

To view the latest developer news, visit [News and Updates](#).

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